WRITTEN ANSWERS TO QUESTIONS

Performance of thermal and hydel power stations in the country during the seventh plan.

*343. SHRI TALARI MANOHAR: Will the Minister of ENERGY be pleased to state:

(a) what are the names of thermal and hydel power stations in the country where power generation has increased during the Seventh Plan period; and

(b) what are the names of thermal and hydel power stations where there was frequent power breakdown during the said period, alongwith the reasons therefor, and what was the total shortage in power generation on this account, State-wise?

THE MINISTER OF ENERGY WITH ADDITIONAL CHARGE OF THE MINISTRY OF CIVIL AVIATION (SHRI ARIF MOHD. KHAN): (a) Statements showing the names of the thermal and hydel power stations under the State and Central Government where power generation increased during the Seventh Plan period, as compared to the Sixth Plan period are enclosed as Statement I & II.

(b) A Statement indicating the existing thermal power stations, which generated less power during the Seventh Plan period as compared to the Sixth Plan, alongwith the major reasons for the shortfall and the extent of shortfall is enclosed as Statement. Ill

A Statement indicating the names of hydel power stations, where generation decreased due to poor inflow of water during the Seventh Plan period is enclosed as Statement -IV. However, there was no frequent breakdown of power in any of the hydel stations during the Seventh Plan period, though some of the power stations had occasional prolonged shutdowns on account of planned maintenance and forced outages.

Statement I

The names of the Thermal Power Stations under the State ana Central Government where Power Generation increasea during the Seventh Han

CENTRAL SECTOR

1. Badaipur
2. Ncjveli-1
3. Duigapui

STATE SECTOR

1. India-Fiastha
2. Faridabad
3. Bhatinda
4. Obia
5. Harduaganj 'E'
6. Gandhinagiu
7. Nasik
8. Koradi
9. Khaperkheda
10. Bhusawal
11. Kothagudem
12. Ramagundam 'B'
13. Nedloie
14. Vihjayawada
15. Ennoie
16. Tuticorin
17. Baiauni
18. lalchei
19. Bandel
20. Chandiapui (. Assam)

Statement-H

The Names of Hyaei Power Stations under the State and Central Government where Power Generation increasea aunng the Seventh Plan

CENTRAL SECTOR

1. Bhakia Complex
2. Dehai

3. Pong
4. Baiia Siul
5. DVC (Hydro)
6. Khandong
7. Loktak

STATE SECTOR

1. GiiiBata
2. Bassi
3. Binwa
4. Lower Jhelum
5. Otheis in J&K
6. Shanan
7. R. P. Sagai & J. Sagar
8. Riband & Obia
9. Yamuna St. 11 (Chibio)
10. Chilla
11. Matatilla
12. Ganga Canal & Khaliraa
13. Yamuna St. 11 (Khodii)
14. Maneii Bhali
15. Gandhi Sagai
16. KoynaDFH
17. Paithon
18. N. K. Sagai R. B. C.
19. Donkaiaji
20. Kalinadi
21. TSaiiamangalam
22. Foiingalkuttu
23. Panniai
24. Subemaiekha 1 & 11
25. Jaldhakal All
26. Lower Lagyap
27. Kyrdankulai
28. Gumti

Statement-Ill

Tlie existing Thermal Power Stations which generated less power during the 7th Plan as compared to the 6th Plan

Si. No.	Name of Station	Generation (Gwh) in Vlth ' plan	Vllth plan	Shortfall (Gwh)	Major reasons for shortfall
J	Harduaganj 'A'.	750	538	212	Ageing, furnance problems.
2	Dhuvaran.	16553	14421	2132	Rotor earthfault and generator bearing damage.
3	Korba (E).	12117	12019	*98*	Generator damage and station transformer failure.
4	Amarkantak	7639	7541	98	Rotor earthfault.
5	Paras.	2045	1730	315	Auxiliary Transformer damage
6	Chandrapura	16972	13234	3738	LP rotor damage, rewinding of generator and turbine eccentricity.
7	Bokaro 'A'.	4851	4047	804	Generator Transformer damage HP & LP rotor failure and generator rotor damage.
8	Santaidih	5945	4948	997	Turbine generator rotor coupling *bolt* sheared, Generator damage, Turbine rotor eccentricity.
9	Namrup	1961	1692	269	Equipment failures.

Statement-lV

The Names of Iiyael Power Stations where Generation Decreasta aue w Poor Inflow o) water during the Seventh Pian

SI.	Name oi H. E. Project No.
	Stale Sector
1	UBDC1&U
2	Yamuna St. 1 & IV
3	Ramganga
4	Ukaif
5	Koyna 1 to 111
6	Vaitarna, Eidaii, Vii & Bhatgaih
7	Tata Hydro (private)
8	Machkund
9	TJppei Sileiu
10	Lower Sileiu
11	T. B. Dam& Hampi
12	Niiam Sagai
13	N. J. Sagai
14	Sharavathy & Jog
15	Lingnamakki
16	Badhia
17	Sivasamudiam
18	Shimsapuia
19	Muniiabad
20	ldukki
21	Sataragiii
22	Kuttiadi
23	Sholoyar
24	Sengulam
25	Pallivasal
26	Kundah 1 to V
27	Mettui Dam & Tunnel
28	Feriyai
29	Kodayar 1 & 11
30	Sholayar 1 & 11
31	Pykaia
32	Aliyar
33	Saiakaipathy
34	Fapanasam
35	Moyar
36	SuiUliyar "
37	Hirakud
38	Balimela
39	Kosi
40	Umiam St. 1 & 11 and Umtiu

Installation of navigational equipment required for A-321j»ircraft

*345. SHRIKAMAL MORARKA: Will the Minister of CIVIL AVIATION be pleased to state:

(a) the airports at which navigational equipment as reguired for A-320 aircraft has already been instaTled;

(b) the airports where navigational facilities are being updated and whether these would conform to the standards required for A-320^aircraft; and

(c) whether Government have decided to implement the recommendations of the Tata Committee; if so, to what extent?

THE MINISTER OF ENERGY WITH ADDITIONAL CHARGE OF THE MINISTRY OF CIVIL AVIATION (SHRI ARIF MOHD. KHAN): (a) and (b) There are no specific navigational equipment prescribed for the operations of the A^?Q fleet. However, the ground facilities available at many of our airports require modernisation and upgradation. This is a continuous process and is receiving the attention of the Government,